Abstract (en)
    [origin: EP2757387A1] The present invention relates to a detection device 100 for a vehicle, which can prevent damage to the vehicle by detecting
    occurrence of abnormality before the vehicle is damaged, and can accurately detect abnormality inside and outside the vehicle. The detection
    device 100 for a vehicle of the present invention includes: a transmission antenna 1, installed inside a vehicle 50, for transmitting a radio wave;
    reception antennae 2, 3, 4, and 5, installed inside the vehicle 50, for receiving the radio wave; and an abnormality detection calculation section 6 that
    calculates a spatial feature amount P(t) based on the radio wave received by each of the reception antennae 2, 3, 4, and 5, and detects, based on
    the calculated spatial feature amount P(t), a motion of a person outside the vehicle 50 and a motion of a person intruding into the vehicle 50.